

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims

1. (Cancelled)

2. (Currently Amended) In a system for receiving contents from a plurality of web servers and providing the contents to a portable terminal connected via a network, the portable terminal including a plurality of channel icons that respectively have channel URL information of a predetermined subject, and wherein a user selection of a channel icon of the portable terminal causes the respective channel URL to be transmitted from the portable terminal to the system, a contents-providing system comprising:

a user information database for storing user identification (ID) information;
an authentication server for;

performing authentication based upon the user ID information by using the user information database ~~when the user ID information and two or more uniform resource locator locators (URLS) associated with a channel are sent from when two or more uniform resource locators (URLs), which are channel URLs associated with a set of URLs, each URL of the set corresponding to a web server that provides contents of a predetermined subject, and the user ID information are sent from the portable terminal, and~~

outputting the two or more URLs after performing the authentication;

a data server for:

requesting to request contents from a plurality of web servers

associated with the two or more URLs,
processing the received contents into a predetermined format,
gathering the contents of the predetermined subject, binding the
gathered contents into a single channel, and
transmitting the single channel of contents to the portable terminal,
wherein the data server further comprises an image compressor for:
receiving the contents from the web server, and
reducing image sizes or a number of colors according to the a
specification of the portable terminal; and
a proxy unit for monitoring data transmitted by the web server, and when the
contents transmitted by the web server include image information, calling the image
compressor.

3. (Currently Amended) The system of claim 2, wherein the user
information database stores user information corresponding to the user ID information,
the authentication server extracts user information corresponding to the user ID
information from the user information database and outputs the same with the input URL
URLs when performing authentication based on the user ID information, and
the system further comprises a billing server for settling fees for the contents
provided by the web servers having the URL URLs provided by the portable terminal
based on the user information provided by the authentication server.

4. (Currently Amended) The system of claim 3, wherein:
the billing server settles the respective fees of the web servers respectively
corresponding to the channel URL URLs when the URL URLs provided by the portable
terminal is one of the channel URL URLs,
the data server transmits the settlement results to the respective web servers
corresponding to the URL URLs of the channel URL URLs when the settlement results of
the billing server are provided, and

the respective web servers determine the settlement results and when the settlement of the fees is performed and provide the corresponding contents to the data server.

5. (Previously Presented) The system of claim 2, wherein when the data server requests the contents, the web server provides the contents to the data server in the case a user who accesses via the portable terminal is a service user who can receive the contents.

6. (Currently Amended) The system of claim 5, wherein the data server provides the user ID information provided by the authentication server to a plurality of web servers respectively corresponding to the URL URLs of the channel URL URLs, and the respective web servers request a password input for authenticating the service user when the data server requests the contents, and they the respective web servers perform authentication via the user's password and the user ID information input via the portable terminal.

7. (Currently Amended) In a system for receiving contents from web servers and providing the contents to a portable terminal connected via a network, the portable terminal including a plurality of channel icons that respectively have channel URL information of a predetermined subject, and wherein a user selection of a channel icon of the portable terminal causes the respective channel URL to be transmitted from the portable terminal to the system, a contents-providing system comprising:

a user information database for storing user information (ID) information;
a data server for:

performing authentication based upon user ID information by
using the user information database ~~when the user ID information and two or more uniform resource locators (URLs) associated with a channel are sent from two or more uniform resource locators (URLs), which are~~

channel URLs associated with a set of URLs, each URL of the set corresponding to a web server that provides contents of a predetermined subject, and the user ID information are sent from the portable terminal,
requesting contents from a plurality of web servers associated with the two or more URLs,
processing the received contents into a predetermined format,
gathering the contents of the predetermined subject, binding the gathered contents into a single channel, and
transmitting the single channel of contents to the portable terminal,
wherein the data server further comprises an image compressor for:
receiving the contents from the web server, and
reducing image sizes or a number of colors according to the specification of the portable terminal; and
a proxy unit for:
monitoring data transmitted by the web server, and
when the contents transmitted by the web server include image information, calling the image compressor.

8. (Original) The system of claim 3, wherein the system further comprises an advertisement server for providing advertisement contents, and wherein the authentication server provides the user information extracted from the user information database to the data server, the advertisement server extracts the advertisement contents according to the user information provided by the data server and provides the advertisement contents to the data server, and the data server processes the advertisement contents provided by the advertisement server and the contents provided by the web server and transmits then to the portable terminal.

9. (Original) The system of claim 7, wherein the system further comprises an advertisement server for providing advertisement contents, and wherein the

advertisement server extracts the advertisement contents according to the user information provided by the data server and provides the advertisement contents to the data server, and the data server processes the advertisement contents provided by the advertisement server and the contents provided by the web server and transmits them to the portable terminal.

10. (Canceled)

11. (Previously Presented) The system of claim 2 or 7, wherein the data server processes the contents according to a display specification of the portable terminal and transmits them.

12. (Canceled)

13. (Previously Presented) The system of claim 2 or 7, wherein the data server further comprises a filter for filtering information that is inappropriate or is not needed for the portable terminal among the contents provided by the web server.

14. (Previously Presented) The system of claim 2 or 7, wherein the data server further comprises a channel generator for binding a plurality of contents of a predetermined field provided by the web server into a single channel.

15–22. (Cancelled)

23. (Currently Amended) In a contents-providing method of a system for receiving contents from a plurality of web servers and providing the contents to a portable terminal connected via a network, the portable terminal including a plurality of channel icons that respectively have channel URL information of a predetermined subject, and wherein a user selection of a channel icon of the portable terminal causes the respective

channel URL to be transmitted from the portable terminal to the system, a contents-providing method comprising:

- (a) extracting user information corresponding to user identification (ID) information and authenticating the user when ~~the user ID information and two or more uniform resource locators (URLs) associated with a channel are sent from two or more uniform resource locators (URLs), which are channel URLs associated with a set of URLs, each URL of the set corresponding to a web server that provides contents of a predetermined subject, and the user ID information are sent from~~ the portable terminal;
- (b) requesting the contents from a plurality of web servers associated with the two or more URLs;
- (c) monitoring the contents received from the plurality of web servers in response to the requesting to determine whether any of the received contents include image information, and if any of the received contents include image information, converting the image information by reducing sizes or number of color of images according to standard of the portable terminal;
- (d) gathering the contents of the predetermined subject and binding the gathered contents into a single channel of contents; and
- (e) transmitting the single channel of contents to the portable terminal via the network.

24. (Currently Amended) The method of claim 23, wherein the method further comprises respectively settling the fees for the contents provided by the web servers corresponding to the respective URLs ~~of the channel~~ based upon the user information.

25. (Currently Amended) The method of claim 23, wherein when the contents are requested in (e) (b), the settlement results are provided to the web servers corresponding to the respective URLs.

26. (Original) The method of claim 23, wherein the method further comprises:

requesting a password from the portable terminal when a password input request for authenticating service users who can receive desired contents from a web server is generated according to the contents request; and

providing the password to the web server and authenticating the service user when the password is provided to the portable terminal.

27. (Original) The method of claim 26, wherein when it is determined that the corresponding user is a service user according to the password provided by the portable terminal in the step of providing the contents, the web server provides the contents to the user.

28.-32. (Cancelled)

33. (Currently amended) A method comprising:

at a data server, receiving two or more URLs that are transmitted from a portable terminal, ~~the two or more URLs being associated with a channel selected by a user of the portable terminal from among a plurality of channels; the portable terminal including a plurality of channel icons that respectively have channel URL information of a predetermined subject and wherein a user selection of a channel icon of the portable terminal causes the two or more URLs to be transmitted from the portable terminal to the data server, wherein the two or more uniform resource locators (URLs) are associated with a set of URLs, each URL of the set corresponding to a web server that provides contents of a predetermined subject;~~

at the data server, requesting contents from a plurality of web servers associated with the two or more URLs associated with the selected channel, and binding the contents into a single channel; and

at the data server, transmitting the single channel of contents to the portable terminal.

34. (Previously Presented) The method of claim 33 wherein the data server transmits the single channel of contents to the portable terminal at one time.

35.-37. (Cancelled)

38. (Currently amended) An apparatus comprising:

a data server to receive two or more URLs that are transmitted from a portable terminal, ~~the two or more URLs being associated with a channel selected by a user of the portable terminal, the portable terminal including a plurality of channel icons that respectively have channel URL information of a predetermined subject and wherein a user selection of a channel icon of the portable terminal causes the two or more URLs to be transmitted from the portable terminal to the data server, wherein the two or more uniform resource locators (URLs) are associated with a set of URLs, each URL of the set corresponding to a web server that provides contents of a predetermined subject;~~

request contents from a plurality of web servers associated with the two or more URLs associated with the selected channel,

bind the contents into a single channel, and

transmit the single channel of contents to the portable terminal.

39. (Previously Presented) The apparatus of claim 38 wherein the data server is to transmit the single channel of contents to the portable terminal at one time.